

Custodial, Labor and Trades Branch
Water Plant Operation Group
Water Production Series

CENTRAL CONTROL OPERATOR

04/99 (SAC)

Summary

Under general supervision on assigned shift, operate, control and monitor water supply pumping and treatment equipment from central computer control center.

Typical Duties

Operate, monitor and control water system and associated equipment such as pumps, valves and natural gas engines at wells, reservoirs and booster sites by means of a central computer system. Involves: interpreting computer data concerning water pressures, well production, reservoir levels, and equipment status in the distribution system; turning wells on and off remotely to insure adequate water levels in reservoirs; adjusting flow control valves remotely; using boosters to transfer water between reservoirs.

Control water storage levels and water treatment plants production rates for City of El Paso and surrounding areas in accordance with operational strategies to maximize allotment of surface water. Involves: determining daily plant production requirements; adjusting well production and distribution to make room for surface water; coordinating daily water orders with Water Plant Superintendents in response to daily consumption.

Coordinate resolution of critical equipment malfunctions and other emergencies. Involves: collaborating with the Fire Department, Utility supervisors and other agencies during power outages, line breaks, fires or other emergencies; working with field operators and equipment technicians to troubleshoot equipment failures; directing field operators by radio to water system facilities and providing instruction as required; monitoring lift station alarms and notifying personnel of malfunctions.

Perform other duties as required. Involves: determining Supervisory Control and Data Acquisition (SCADA) set points; inputting records to maintain computer databases and generating reports for management; monitoring and adjusting remote chlorine feeders; substituting for coworkers or supervisor, if assigned, to maintain continuity of operations during temporary absences.

Minimum Qualifications

Training and Experience: Graduation from high school or equivalent; and three (3) years experience in the operation of a water distribution system with multiple pressure zones at a level comparable to Well Production Field Operator; or an equivalent combination of training and experience.

Knowledge, Abilities and Skills: Considerable knowledge of: water distribution systems and operational principles of pumps, valves, electric motors, natural gas engines, electronic equipment and computerized control systems. Good knowledge of: hydraulic principles related to operation of water distribution systems with multiple pressure zones; computer applications with remote machinery or facility operations. Some knowledge of: current water treatment methods, theories and practices; safe drinking water regulations.

Ability to: interpret computer provided information to identify operational problems and equipment malfunctions; use sound judgment in operating and monitoring water system to assure adequate water supply and pressure to various zones in the City and surrounding areas; determine nature and urgency of problems and respond appropriately in ordinary and emergency situations; establish and maintain effective working relationships with fellow employees; maintain records and prepare reports.

Skill in the safe operation and care of: keyboard, personal computer and standard software; a motor vehicle through city traffic.

Special Requirements: Work evenings, weekends and shift work.

Licenses and Certificates: Texas Class “C” Drivers License, or equivalent license issued by another state.

Director of Personnel

Department Head

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